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TONOR TW520

TONOR TW520 Wireless Microphone System User Manual

Model: TW520 | Brand: TONOR

1. Introduction

The TONOR TW520 Wireless Microphone System offers superior sound quality and stable signal transmission for various applications, including karaoke, church events, weddings, performances, and speeches. This manual provides detailed instructions to help you set up, operate, and maintain your wireless microphone system.



Image: The TONOR TW520 Wireless Microphone System, including two microphones, a receiver, and a 6.35mm to 3.5mm adapter.

2. Key Features

- **Excellent Signal Stability:** Utilizes the latest PRO-UHF connection chip and anti-interference antennas for an ultra-long and ultra-stable transmission distance of up to 262 ft. (80 m).
- **Superior Sound Quality:** Features a high-end cardioid dynamic mic core for clear and authentic sound. Supports audio devices with 6.35 mm/3.5 mm ports.
- **Auto-Pair and Memory Function:** Automatically pairs and remembers the last used frequency for seamless reconnection. Each wireless mic includes 20 UHF frequencies (539.5 to 578.5MHz).
- **Rechargeable Batteries:** Mics and receiver have built-in rechargeable batteries and Type-C ports. Mics last 11-12 hours, receiver lasts 7-9 hours on a 3-hour charge. Includes a three-ended Type-C cable for simultaneous charging.
- **One-Click Mute and LED Indicator:** Instant mute function with a green (working) and red (muted) indicator.

Microphone screens display real-time battery levels.



Image: Visual representation of the system's excellent signal stability, anti-interference, wall-penetrating stable signal, and no audio delay over a 262 ft working distance.

3. What's in the Box

- 2 x Wireless Microphones
- 1 x Receiver
- 1 x Three-ended Charging Cable
- 1 x 6.35mm to 3.5mm Adapter
- 2 x Foam Covers
- 2 x Anti-slip Rings
- 1 x User Manual (this document)



Image: All components included in the TONOR TW520 Wireless Microphone System package.

4. Setup Guide

4.1 Microphone Preparation

1. **Charge Microphones:** Ensure both wireless microphones are fully charged using the provided three-ended Type-C charging cable. The battery level is displayed on the microphone screen.
2. **Attach Foam Covers:** Gently slide the foam covers over the microphone heads to reduce plosives and protect the mic.
3. **Install Anti-slip Rings:** Place the anti-slip rings around the microphone body, typically near the bottom, to prevent rolling and provide grip.



Image: The two wireless microphones and the receiver being charged simultaneously with the three-ended Type-C cable.

4.2 Receiver Connection

1. **Charge Receiver:** Fully charge the receiver using the Type-C charging cable. The receiver's battery life is approximately 7-9 hours.
2. **Connect to Audio Device:** Insert the receiver's 6.35mm (1/4") jack directly into the MIC IN port of your audio device (e.g., mixer, karaoke machine, amplifier, PA system, portable speaker).
3. **Use 3.5mm Adapter (if needed):** If your audio device has a 3.5mm (1/8") MIC IN port, attach the included 6.35mm to 3.5mm adapter to the receiver before plugging it in.
4. **Power On:** Press the power button on the receiver to turn it on. The RF indicator light will illuminate when connected to a microphone.



Image: Detailed view of the PRO-UHF Wireless Receiver, highlighting its Type-C charging port, anti-interference antenna, battery indicator, power button, and RF indicator.



Image: Examples of compatible audio devices such as outdoor speakers, power amplifiers, PA systems, mixers, karaoke machines, and portable speakers. Note: Ensure your device has a "MIC IN" port.

4.3 Auto-Pairing

The TONOR TW520 system features an auto-pairing function. The microphones and receiver will automatically pair when powered on. They also remember the last used frequency for seamless reconnection.



Image: Illustration of the automatic pairing process between the wireless microphone and the receiver upon power-on.

5. Operating Instructions

5.1 Power On/Off

- To power on the microphone, press and hold the power button located on the microphone body until the LCD screen illuminates.
- To power off, press and hold the power button again until the LCD screen turns off.
- For the receiver, press the power button on its body to turn it on or off.

5.2 Volume and Frequency Adjustment

The microphones allow for volume and frequency adjustments directly on the unit.

- **Volume Adjustment:** Use the "VOL+" and "VOL-" buttons to increase or decrease the microphone's output volume.
- **Frequency Adjustment:** Press the "SET" button to cycle through the available UHF frequencies. Each

microphone has 20 channels to choose from, helping to avoid interference.



Image: Close-up of the PRO-UHF handheld wireless microphone, showing the adjustment buttons (VOL+, VOL-, SET), LCD display for frequency and battery level, and the one-click mute button with indicator.

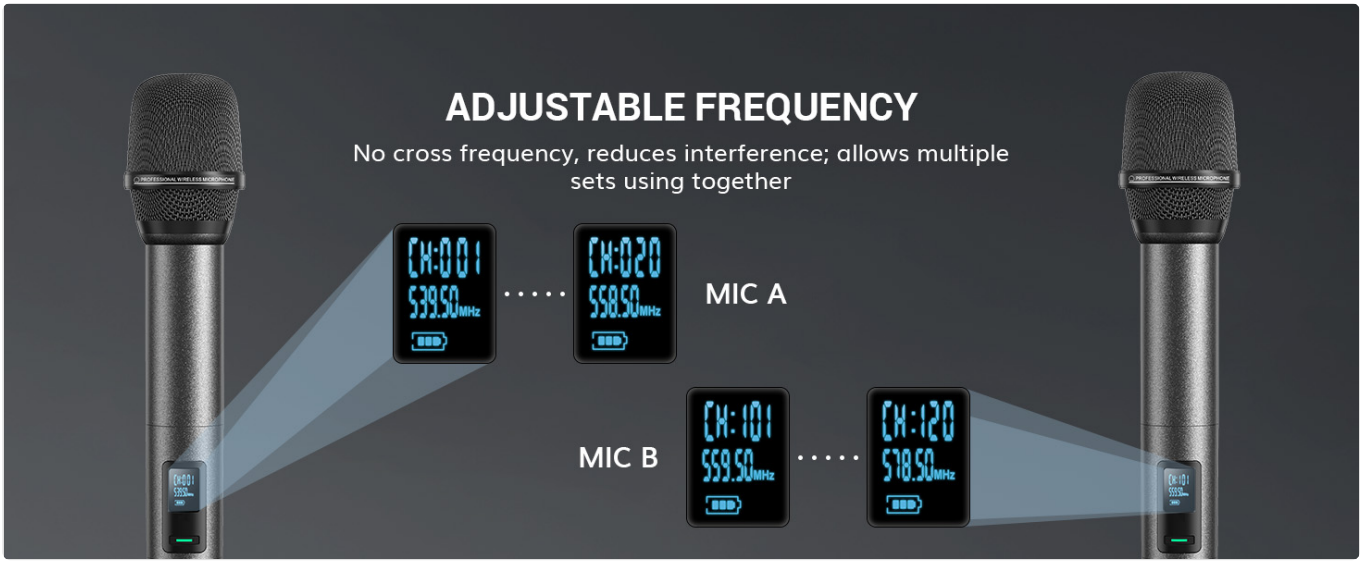


Image: Diagram illustrating the adjustable frequency feature, showing how Mic A and Mic B can select from 20 channels each (e.g., CH:001 to CH:020 for Mic A, CH:101 to CH:120 for Mic B) to prevent cross-frequency interference.

5.3 One-Click Mute

To mute the microphone instantly, press the dedicated mute button on the microphone body. The indicator light on the button will turn red when muted and green when active.

5.4 Battery Level Display

The microphone screens show real-time battery levels, allowing you to monitor power and recharge promptly to avoid sudden power loss during use.

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the microphones and receiver. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Battery Care:** For optimal battery life, fully charge the devices before extended storage and recharge them periodically if not used for a long time.
- **Foam Covers:** Regularly clean or replace the foam covers to maintain hygiene and sound quality.

7. Troubleshooting

Problem	Possible Cause	Solution
No Sound Output	Microphone or receiver not powered on; Low battery; Incorrect connection to audio device; Muted microphone.	Ensure both mic and receiver are on and charged. Check if the receiver is plugged into a "MIC IN" port. Unmute the microphone.
Interference/Static	Nearby electronic devices; Other wireless signals; Obstructions between mic and receiver.	Change the microphone's frequency using the SET button. Move away from other wireless devices. Ensure clear line of sight between mic and receiver.
Microphone not pairing	Out of range; Pairing issue.	Ensure mic and receiver are within range (up to 262 ft). Power cycle both devices to re-initiate auto-pairing.

Problem	Possible Cause	Solution
Short Battery Life	Incomplete charging; Old battery.	Ensure devices are fully charged (3 hours). If battery life significantly degrades, contact support for potential battery replacement.
One microphone not holding charge	Defective battery or unit.	As noted in customer reviews, this can occur. Contact TONOR customer support for assistance or replacement if under warranty.



Image: A comparison chart highlighting the advantages of TONOR's UHF Wireless Technology over generic 2.4G Wireless Technology, including wider usage range, stronger signal stability, suitability for professional settings, and ultra-low latency.

8. Specifications

Feature	Detail

Feature	Detail
Model Name	TW520
Brand	TONOR
Microphone Form Factor	Handheld
Connectivity Technology	UHF
Number of Channels	200 (2x20 UHF frequencies: 539.5-558.5MHz for Mic A, 559.5-578.5MHz for Mic B)
Power Source	Battery Powered (Rechargeable Lithium Ion)
Microphone Battery Life	11-12 hours (approx.)
Receiver Battery Life	7-9 hours (approx.)
Charging Time	3 hours (approx.)
Connector Type	6.35 mm, 3.5mm Jack
Special Features	One-Click Mute, Auto-Pair, Rechargeable, Memory Function, LED Indicator, Battery Level Display
Compatible Devices	Mixers, Karaoke Machines, Amplifiers, Speakers (with MIC IN port)
Material	Metal
Color	Gray
Product Dimensions	11.81 x 7.09 x 2.52 inches
Item Weight	2.12 pounds (960 Grams)

9. Warranty and Support

For warranty information, technical support, or any inquiries regarding your TONOR TW520 Wireless Microphone System, please refer to the warranty card included in your product packaging or visit the official TONOR website. You may also contact TONOR customer service directly through their Amazon store page.

TONOR Store Link: Visit the TONOR Store on Amazon

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